



**CITY OF AUSTIN
STANDARD PRODUCTS LIST**

for
RESTRAINED JOINT DUCTILE IRON PIPE AND FITTINGS

USING DEPARTMENT: Austin Water **PREPARED BY:** Robert Lamb, P.E. **ISSUED:** 04/01/03
REVISED BY: Jeff A. Kyle, P.E. **REVISED:** 07/01/20

- DESCRIPTION:** Water Pipe, Ductile Iron complying with the following criteria:
1. Pipe shall meet AWWA C151 and shall also be in general compliance with SPL WW-27, Ductile Iron Pipe.
 2. Pipe shall contain a special restrained joint bell. Spigot end shall have a factory welded-on restraint ring or bead except for field cut pipe, which shall be restrained using special restraint gaskets designed specifically to be compatible with the restrained joint bell.
 3. Pipe shall be asphalt coated and cement-mortar lined with asphaltic seal coat complying with AWWA C104.
 4. Fittings shall have same restrained joint system as pipe or shall have compatible integral system, shall comply with AWWA C153 or AWWA C110, and shall be asphalt coated and cement-mortar lined with asphaltic seal coat complying with AWWA C104 or fusion-bonded epoxy-coated and -lined (inside and outside) complying with AWWA C116. Fusion-bonded epoxy must be red and shall comply with requirements of NSF 61.
 5. See SPL WW-27A for external joint restraint devices.
 6. Not for use in gravity wastewater applications.

| LISTING DATE | MANUFACTURER | PRODUCT IDENTIFICATION/COMMENT | APPROVAL |
|--------------|---|--|--------------------|
| 04/01/03 | U.S. PIPE & FOUNDRY CO. P.O. Box 10406 Birmingham, AL 35202 | HDSS PIPE 12" - 48" TR FLEX PIPE 4" - 36" TR FLEX FITTINGS 12" - 36" TR FLEX GRIPPER RING for field cut pipe or closure pieces HP LOK PIPE AND FITTINGS 30" - 64" | R. Lamb J. Kyle |
| 04/01/03 | AMERICAN CAST IRON PIPE P.O. Box 2727 Birmingham, AL 35202 | FLEX-RING 4" - 48" LOK-RING 54" - 64" FIELD FLEX-RING for field-cut pipe or closure pieces MJ COUPLED JOINT for connecting factory-restrained-spigot to MJ-bell | R. Lamb |
| 07/01/11 | McWANE DUCTILE (New Jersey, Utah, and Ohio) 1401 East 2000 South Provo, UT 84603 | TR FLEX 6" - 36" TR FLEX GRIPPER RING for field cut pipe or closure pieces THRUST-LOCK 6" - 30" THRUST-LOCK for field cut pipe or closure pieces MJ-LOCK for connecting factory-restrained-spigot to MJ-bell | R. Lamb |



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NOTES:

1. Warning tape shall be placed on the polyethylene wrap on top of the pipe for the full length of restrained joint pipe. The warning tape shall be yellow and shall have black lettering at least 2 inches high that states "Restrained Joint / Junta de Restriccion" at intervals not exceeding 24 inches. The warning tape shall be polypropylene having a minimum thickness of 2 mils, a minimum width of 3 inches, and adhesive backing on the side opposite the lettering.
2. Field welded-on restraint rings or beads are not allowed.
3. For pipe larger than 24" diameter, contractor's/manufacturer's PROJECT submittal must include one of the following: a) evidence of current ISO registration, b) evidence of current Austin Water -approved quality control program, or c) name and qualifications of independent, third party firm that will test and inspect pipe produced for City of Austin, as per Standard Specification Item 510.

[Inspector—show location of restrained pipe and fittings on intersection drawings. Also show on record drawings along with manufacturer's name.]

LATEST REVISIONS (since 07/01/17):

1. Updated DESCRIPTION.
2. Added HDSS pipe and TR Flex fittings (US Pipe & Foundry).